

Gunter, Jason

From: Adam Nanney <ANanney@barr.com>
Sent: Tuesday, March 18, 2014 8:31 AM
To: Kator, Martin (martin.kator@dnr.mo.gov); Gunter, Jason; robert.hinkson@dnr.mo.gov
Cc: 'Nations, Mark'; Ty Morris; Bodnar, Gen (gbodnar@doerun.com)
Subject: Summary of discussion during walk-through on 2-21-2014
Attachments: Walk through meeting notes.doc

Martin, Jason, and Bob,

Attached is the summary of the walk-through at Federal from 2-21-2014. Let me know if anyone has any comments or questions.

I did not have everyone's emails so if the three of you could distribute internally to anyone who needs to see it I would appreciate it.

Thanks

Adam Nanney, PE

Geological Engineer
Jefferson City office: 573.638.5016
cell: 314.550.1044
ananney@barr.com
www.barr.com

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Technical Memorandum

To: Martin Kator, Missouri Department of Natural Resources – Division of State Parks
Jason Gunter, U.S. Environmental Protection Agency
From: Adam Nanney, P.E., Barr Engineering Co.
Subject: Federal Update Meeting and Walk-Through
Date: February 21, 2014
Project: Federal Mine Tailings Site/St. Joe State Park
c: Mark Nations, The Doe Run Company
Gen Bodnar, The Doe Run Company

On February 21, 2014, personnel from Missouri Department of Natural Resources (MDNR) Division of State Parks (DSP), MDNR Hazardous Waste Program (HWP), MDNR Water Protection Program (WPP), The Doe Run Company (Doe Run), and Barr Engineering Co. (Barr) met to discuss the progress at the Federal site and conduct a preliminary walk-through to create a checklist of any tasks that need to be addressed before construction is completed. Below is a summary of the items discussed during that walk-through.

- In the Apollo Arm of the Off Road Vehicle (ORV) Area, there is an area of soil cover west of the East ORV Drainage Channel near Station 50+00 (Construction Drawing C-24). ORV riders currently use the area. Seeding will be occurring in the spring of 2014. Once seeding activities in this area are complete, MDNR-DSP will arrange to have rope or fencing installed around this area to keep riders from disturbing the vegetation.
- In the Apollo Area on the north side of the East ORV Drainage Channel between Stations 11+00 and 12+00 (Construction Drawing C-23), drainage is ponding outside of the designated drainage ditch. Doe Run will reshape the area just north of the channel to direct water into the drainage swale and cover it with rock.
- MDNR-DSP designated the three areas where they would like the crossings to be located. Those areas are located near the staging area and marked with posts. The first is in the Main Drainage Channel just downstream of the convergence with the East ORV Drainage Channel, just east of the staging area. The second is in the Main Drainage Channel directly in front of the staging area, and the third is in the Main Drainage Channel located at the entrance to the campground.
- The group looked at areas in the ORV Area that were too soft to get equipment into. Those areas have been fenced off to keep riders out, and the areas will be vegetated. This change was

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addressed in a previous modification, and the group approved the implementation of this modification.

- The check dam located in the modified portion of the East Main Drainage Channel near Station 51+00 (intersection of Phase II and Phase IV) will be relocated. It will be moved east and will be located directly in the path of ORV traffic.
- In the southeast portion of the East Main Drainage Channel between Stations 75+00 and 78+00 (Construction Drawing C-27), there are fines pushing up through the cover south of the drainage swale. Doe Run is planning to address this by applying additional material, but it is uncertain that equipment can be used in this area without causing more fines to push through the cover. Barr will conduct additional samples of the fines material to determine the lead levels. If the material is under the action level, the area will be left to firm up on its own. If the material is over the action level, additional covering will be attempted. However, if unsuccessful, other options will be discussed such as fencing off the area to keep riders from contacting the material.
- The abandon railroad embankment that extends from the Former Chat Pile Area to the railroad trestle has an erosion channel on the north slope near the intersection of coordinates N730165 and E816160. Doe Run will rock this erosion channel and also rock the chat that has been deposited at the bottom of this channel.

If you have any questions, please feel free to contact me by phone at (573) 638-5016 or by email at ananney@barr.com.